

Chipping and sawcutting columns on Bent #7



Rebar placement for seismic upgrades on Bent #7 column footings





TNC crews grading and filling 24th Street eastbound on-ramp (above two photos)





Image of the e-sticker used in the Good To Go! electronic toll collection system

"Good To Go!" Makes Debut

On April 18 the Washington State Department of Transportation (WSDOT) introduced Good To Go! Allowing drivers to pay tolls without stopping, *Good To Go!* is the state's new electronic toll collection system. The new system gives drivers more choices for using the new Tacoma Narrows Bridge as well as other future tolling projects.

Good To Go! utilizes a small e-sticker that adheres to the inside of a vehicle's windshield and can be read by an antenna mounted over the roadway. Each time a vehicle approaches the toll collection area, the antenna reads the e-sticker and the system automatically debits the toll from the Good To Go! customer's prepaid account.

In the coming months, Good To Go! Customer Service Centers will open in Tacoma and Gig Harbor. Customer service representatives will help establish accounts and answer all questions about Good To Go!

Media Relations & Public Outreach

- Facilitated successful Good To Go! media launch of the new electronic toll collection system.
- Gave project presentations to the Tacoma Yacht Club, Bay Island Yacht Club, American Society of Civil Engineers and two Geiger Elementary School classes.
- Provided project tours to International Bridge, Tunnel & Turnpike Association conference members, Pierce County bridge engineers, a Bremerton engineering firm, and other interested groups.



View of entering the electronic toll lanes

Toll Operations

April

- WSDOT successfully launched the tolling brand, Good To Go!
- TransCore continued installing hardware in the administrative building
- TransCore continued preparations for commission testing, the second of three major system tests
- The application period for the Citizens Advisory Committee closed April 28th.

May

- Toll group filing initial notice of the Washington Administrative Code
- TransCore will continue preparing for commission testing
- Governor's staff to begin selecting members for the Citizen Advisory Committee

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For more information about the bridge project. visit the TNB web site: www.tacomanarrowsbridge.com



Tacoma Narrows Bridge Project Monthly Progress Report

April 2006

Progress to Date

(% Complete)

Design 99.9% 0% 10% 20% 30% 40% 50% 60% 70% 80%

New Bridge Statistics:

Bridge Length: 5,400 ft. (overall)

Main Span: 2,800 ft. (tower to tower) 69 pairs of suspender hangers per side

Side Span, East: 1,200 ft. 29 pairs of suspender hangers per side

Side Span, West: 1,400 ft. 34 pairs of suspender hangers per side

Suspended Roadway:

(deck panels, barriers, utilities)

- 53 million lbs.
- 46 deck sections
- 120-ft, by 78-ft, is size of average section

Towers: 510 ft. tall

- 8,500 cubic yds. concrete (per tower)
- 2.9 million lbs. of reinforcing steel (both)

Caissons (tower foundations, each):

- 85,000 tons (total weight)
- 6 million lbs. of reinforcing steel
- 40,500 cubic vds. concrete (Tacoma)
- 37,000 cubic yds. concrete (Gig Harbor)

Anchorages (each):

- 81 million lbs. (total)
- 20,000 cubic yds. concrete
- 1 million lbs. of reinforcing steel

Cable Diameter (each): 20.5 inches

- Cable contains 19 strands of 464 wires
- Total steel wires per cable is 8,816
- Each steel wire is the diameter of a pencil

Structural Steel, Superstructure:

(Parts of the bridge above water) 35.5 million lbs.

Structural Steel, Suspension System: (Cable wire and saddles atop towers) 12 million lbs.

New Parallel Bridge Completed: Early 2007 1950 Bridge (Retrofit) Completed: Early 2008



On April 19 the spinning process was completed on the last of the 19 strands of the north cable. The culmination of six months of spinning, including the south cable, and a global effort to procure wire resulted in another milestone completed on the Tacoma Narrows Bridge Project.

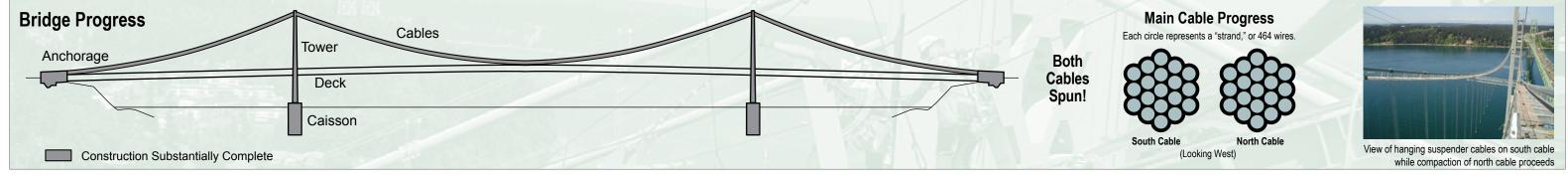
After the discovery of corrosion on some spools of wire in November, Tacoma Narrows Constructors (TNC) employed the efforts of companies in China, South Korea and the United Kingdom to replace the spools that did not meet WSDOT specifications.

Between the north and south cables over 19,000 miles of 0,196"-diameter wire was used making 2,204 round trips on two spinning wheels across the Narrows. With the south cable compacted, banded, and nearly all its suspender cables



installed, the north cable is now the focus. When compaction, banding, and suspender cable installation on the north cable is complete the deck section lifting will be next. Deck lifting is currently scheduled to begin the third week of June.

Arrow indicates suspender cable being installed on the



Bridge Progress

TNC completed spinning and compacting the north cable. TNC also completed installing the suspender ropes on the south cable and removing the tower tie back cables.

TNC continued the block out concrete pours and installing the stairs in the Tacoma tower. TNC began removing the spinning equipment and began assembly of the gantry cranes used for deck section lifting.

Activities to be scheduled for May include:

- Continue assembly of gantry cranes
- Continue installing stairs in the Tacoma tower
- Removing the spinning equipment
- Complete the tower block out concrete pours
- Installing cable bands on the north cable
- Installing suspender ropes on the north cable

Milestone Outlook

Milestone	Contract	WSDOT Forecast	
Lift first deck unit	07 May 06	20 Jun 06	-1.5
Complete Superstructure joining of deck sections	03 Dec 06	30 Nov 06	0.1
Toll System complete and functional*	01 Jun 06	01 Sept 06	-3.1
Complete new bridge and open to traffic	02 Apr 07	**	**
Complete existing bridge modifications	26 Feb 08	26 Feb 08	0.0

- * WSDOT is evaluating an administrative change to this contractual milestone
- ** WSDOT is currently evaluating the bridge opening date based upon new information recently provided by TNC

Roadway/Roadside Progress

During April, TNC began work on the new 24th Street eastbound on-ramp. The final ramp configuration is beginning to take shape through grading and backfilling. TNC also graded and paved the culde-sac at the end of 14th Avenue on the west side of the bridge. Existing bridge seismic retrofit work progressed steadily, with the slab pours inside the east anchorage completed. At the toll plaza, TransCore is calibrating and testing equipment in both the express and manual toll lanes.

Upcoming activities for May include paving the eastbound lanes, moving eastbound traffic to their permanent location, completing most work at the existing east anchorage, and continuing the work on the existing bridge.

Financial Status

Project Cost Summary		
(in Millions)	Budgeted	Expended
Design-Build Contract	\$615.0	\$548.4
Toll System Contract	9.2	7.4
WSDOT Oversight	41.0	20.3
Contingencies Committed	17.5	12.3
Contingencies Remaining	37.2	_
Phase I Dev. Cost (UIW)	40.5	39.8
Total	\$760.4	\$628.1
Total Expended/Total Cost	82.6%	

Project Cash Flow – Planned vs Actual Expenditures April 2002 to June 2008 (Dollars in millions)

Original. 700

Updated Plan 600 (Nov 05) 500 400 300 200 405-02
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Contingency Funds Commitments

(Ramp Meters, Cameras, and Advisory Radio)

Contingency Funds Commitment Total

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Right-of-Way/Other Settlements	\$5,964,696.30
Design Build Contract Executed Change Orders	
Community Driven Change Orders	\$2,888,891.00
Planned/Known Change Orders	\$1,845,577.98
Permit Driven Change Orders	\$372,404.14
Design/Builder Initiated Change Orders	-\$814,972.00
WSDOT Initiated Change Orders	\$5,673,260.23
Design Build Contract Sub-Total	\$9,965,161.35
Toll System Supply & Installation Contract Executed Char	nge Orders
Community Driven Change Orders	\$5,000.00
Planned/Known Change Orders	\$178,839.00
	00.00
Permit Driven Change Orders	\$0.00
Permit Driven Change Orders TransCore Initiated Change Orders	\$0.00 \$0.00
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\$1,176,272.06

\$17,523,604.71



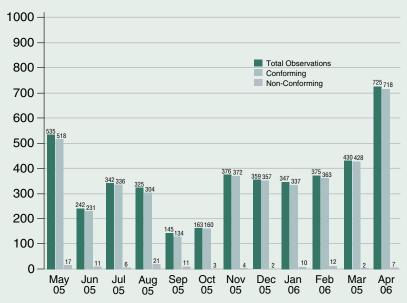
Environmental Performance

On March 1, 2006, Tacoma Narrows Constructors initiated a new program aimed at improving its safety and environmental performance. The program, entitled "Stop Petty Street Crime" targets relatively minor elements of environmental and safety compliance, which ultimately leads to greater awareness and improvements in all areas of compliance. The program's first target was policing the general housekeeping and cleanliness of the various job sites.

The concept is this: By focusing on the seemingly minor housekeeping, litter, and clutter issues typically found at a construction site, it instills a sense of respect and ownership in the project site. This in turn leads to fewer environmental incidents and improved project safety. The program is modeled after similar programs successfully employed by one of TNC's parent companies, Kiewit Construction. The program takes its cue from New York City's successful effort to stop major crime by aggressively stopping petty crime. The TNC program is already having a positive effect. In April, there were no recordable environmental or safety incidents.

Quality Performance

During March WSDOT staff completed the following audits:



WSDOT employs a Compliance Audit System to ensure that work on the project conforms to contract requirements. Compliance audits are conducted regularly in two areas: construction activities occurring in the field, and management policies and systems designed to ensure a quality product.

Compliance Audit System findings for the month of April are as follows:

- 70 individual audits of design/builders work activities
- 725 contractual requirements observed and verified for compliance
- 7 non-conformance findings
- 33 total outstanding non-conformance findings

The 33 outstanding non-conformances are within normal expectations for a project of this size. WSDOT continues to actively resolve the non-conformance issues with the design-builder. The overall audit findings continue to indicate the construction work is generally complying with contract requirements.

Safety Performance

2.240.468 hours with one lost-time accident.

April 06	Hours Worked	Recordable Cases	LWD Cases	Lost Workdays	Restricted Cases	Restricted Days	Fatalities
TNC	50,822	0	0	0	0	0	0
WSDOT	5,359	0	0	0	0	0	0
Total	56,181	0	0	0	0	0	0
Project to Date							
TNC	2,003,826	24	1	22	7	215	0
WSDOT	236,642	1	0	0	0	0	0
Total	2,240,468	25	1	22	7	215	0